

### Status: Path 1 of [Dialog Information Services via Modem]

### Status: Initializing TCP/IP using (UseTelnetProto 1 ServiceID pto-dialog)  
Trying 31060000009999...Open

DIALOG INFORMATION SERVICES

PLEASE LOGON:

\*\*\*\*\* HHHHHHHH SSSSSSSS?

### Status: Signing onto Dialog

\*\*\*\*\*

ENTER PASSWORD:

\*\*\*\*\* HHHHHHHH SSSSSSSS? \*\*\*\*\*

Welcome to DIALOG

### Status: Connected

Dialog level 03.02.02D

Last logoff: 22sep03 10:52:53

Logon file001 01oct03 15:32:06

\*\*\* ANNOUNCEMENT \*\*\*

\*\*\*

--File 654 - US published applications from March 15, 2001 to the present are now online. Please see HELP NEWS 654 for details.

\*\*\*

--File 581 - The 2003 annual reload of Population Demographics is complete. Please see Help News581 for details.

\*\*\*

\*\*\*

--File 990 - NewsRoom now contains February 2003 to current records.  
File 992 - NewsRoom 2003 archive has been newly created and contains records from January 2003. The oldest months's records roll out of File 990 and into File 992 on the first weekend of each month.  
To search all 2003 records BEGIN 990, 992, or B NEWS2003, a new OneSearch category.

\*\*\*

--Connect Time joins DialUnits as pricing options on Dialog.  
See HELP CONNECT for information.

\*\*\*

\*\*\*

--SourceOne patents are now delivered to your email inbox as PDF replacing TIFF delivery. See HELP SOURCE1 for more information.

\*\*\*

--Important news for public and academic libraries. See HELP LIBRARY for more information.

\*\*\*

--Important Notice to Freelance Authors--  
See HELP FREELANCE for more information

\*\*\*

NEW FILES RELEASED

\*\*\*World News Connection (File 985)

\*\*\*Dialog NewsRoom - 2003 Archive (File 992)

\*\*\*TRADEMARKSCAN-Czech Republic (File 680)

\*\*\*TRADEMARKSCAN-Hungary (File 681)

\*\*\*TRADEMARKSCAN-Poland (File 682)

\*\*\*

UPDATING RESUMED

\*\*\*

RELOADED

\*\*\*Population Demographics -(File 581)

\*\*\*CLAIMS Citation (Files 220-222)

REMOVED.

\*\*\*

>>> Enter BEGIN HOMEBASE for Dialog Announcements <<<  
>>> of new databases, price changes, etc. <<<  
\*\*\*\*\*

File 1:ERIC 1966-2003/Sep 25  
(c) format only 2003 The Dialog Corporation

Set Items Description

-----

Cost is in DialUnits

?b 35, 65, 77, 144, 156

>>> 77 does not exist

>>>1 of the specified files is not available

01oct03 15:32:07 User233831 Session D310.1

\$0.30 0.087 DialUnits File1

\$0.30 Estimated cost File1

\$0.30 Estimated cost this search

\$0.30 Estimated total session cost 0.087 DialUnits

SYSTEM:OS - DIALOG OneSearch

File 35:Dissertation Abs Online 1861-2003/Sep

(c) 2003 ProQuest Info&Learning

File 65:Inside Conferences 1993-2003/Sep W4

(c) 2003 BLDSC all rts. reserv.

File 144:Pascal 1973-2003/Sep W3

(c) 2003 INIST/CNRS

File 156:ToxFile 1965-2003/Sep W4

(c) format only 2003 The Dialog Corporation

**\*File 156: ToxFile has been reloaded. Accession numbers**  
have changed. Please see HELP NEWS 156 for details.

Set Items Description

-----

?e au=Staflslien, Deborah

Ref	Items	Index-term
E1	1	AU=STAFSETH, HENRIK J.
E2	1	AU=STAFSLIEN DEBORAH
E3	0	*AU=STAFSLIEN, DEBORAH
E4	4	AU=STAFSNES H
E5	1	AU=STAFSTORM, E.
E6	633	AU=STAFSTROEM S
E7	144	AU=STAFSTROEM S;
E8	126	AU=STAFSTROEM SVEN
E9	13	AU=STAFSTROEM, S.
E10	2	AU=STAFSTROM C
E11	65	AU=STAFSTROM C E
E12	1	AU=STAFSTROM C F

Enter P or PAGE for more

?s e2

S1 1 AU='STAFSLIEN DEBORAH'

?ts1/3,ab/1

>>>No matching display code(s) found in file(s): 65

1/3,AB/1 (Item 1 from file: 144)

DIALOG(R)File 144:Pascal

(c) 2003 INIST/CNRS. All rts. reserv.

15722152 PASCAL No.: 02-0431967

**The group B streptococcal C5a peptidase is both a specific protease and an invasin**

QI CHENG; **STAFSLIEN Deborah** ; SAI SUDHA PURUSHOTHAMAN; CLEARY Patrick  
Department of Microbiology, University of Minnesota, Minneapolis,

Minnesota 55455, United States

Journal: Infection and immunity, 2002, 70 (5) 2408-2413

Language: English

The group B streptococcus (GBS) is a major cause of pneumonia, sepsis, and meningitis in neonates and a serious cause of mortality or morbidity in immunocompromised adults. Although these streptococci adhere efficiently and invade a variety of tissue-specific epithelial and endothelial cells, adhesins and invasins are still unknown. All serotypes of GBS studied to date express C5a peptidase (SCPB) on their surface. This investigation addresses the possibility that this relatively large surface protein has additional activities. Rabbit anti-SCPB serum inhibited invasion of lung epithelial A549 cells by the serotype Ia strain O90R, suggesting that SCPB is an invasin. This was confirmed by inserting an in-frame 25-amino-acid deletion into the scpB gene. Invasion of HEp2 and A549 human cell lines was significantly reduced by the mutation. Enzyme-linked immunosorbent assays were used to demonstrate that purified SCPB protein binds directly to HEp2 and A549 cells and also binds the extracellular matrix protein fibronectin. Binding was dose dependent and saturable. These results suggested that SCPB is one of several potential invasins essential for GBS colonization of damaged epithelium.